

CLAIMS

1. Aerator for a plumbing fixture, especially for a washstand, water basin, or tub, said plumbing fixture comprising a water outlet (2), with an aerator (4), through which water flows, which is pivotally mounted via a swiveling mechanism, particularly a joint, and which is removably fixed to a forward outlet end of the water outlet, characterized in that the pivotable aerator (4) is mounted within an outer ring (5), which is fixed, especially screwed, in the outlet end.
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2. Aerator according to claim 1, characterized in that an outer side of the aerator (4) is partially spherical and is mounted pivotably with the outer side in the outer ring (5).
- 15 3. Aerator for a plumbing fixture, especially for a washstand, water basin, or tub, said plumbing fixture comprising a water outlet (2), with an aerator (4), through which water flows, which is pivotally mounted via a swiveling mechanism, particularly a joint, and which is removably fixed to a forward outlet end of the water outlet, especially according to claim 1, characterized in that the aerator (4) is mounted completely or at least partially within a ball (6) of the ball-and-socket joint and that the outer ring (5), in which the ball/spherical segment is mounted, is fixed, especially screwed, in the outlet end.
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- 25 4. Aerator according to one of the preceding claims, characterized in that the outer ring (5) has an external thread with dimensions that corresponds to typical aerators.

5. Aerator according to one of the preceding claims, characterized in that the external thread of the aerator has standard dimensions of M24 x 1 or M28 x 1.

5 6. Aerator according to claim 1 or 2, characterized in that the ball (6) is formed by a spherical segment.

7. Aerator according to one of claims 3 to 6, characterized in that the ball/spherical segment (6) is penetrated by a cylindrical channel, in which the 10 aerator (4) is placed.

8. Aerator according to one of claims 3 to 7, characterized in that the ball/spherical segment (6) is mounted pivotably within the outer ring (5).

15 9. Aerator according to claim 8, characterized in that the mechanism on a side facing the outlet end has a sealing ring (10), which lies between an inside of the outer ring and an outside of the spherical segment or an outside of the aerator.

20 10. Aerator according to one of the preceding claims, characterized in that a cylindrical, especially bushing-shaped region (12) is formed on the water outlet side on the spherical segment (6).

25 11. Aerator according to one of the preceding claims, characterized in that a channel wall of the outer ring (5) is shaped so that it expands outwardly, especially conically, forming an expanding channel wall region (7) and the bushing-shaped region (12) of the ball/spherical segment (6) comes to lie on the expanding channel wall region (7).

12. Aerator according to one of the preceding claims, characterized in that the outer ring (5) with an external thread can be screwed into an internal thread of the forward end of the water outlet (2).
- 5 13. Aerator according to one of claims 9 to 12, characterized in that the sealing ring (10) contacts a region, especially a step, in an interior of the water outlet (2) when the outer ring (5) is screwed into the water outlet and in this way is compressed.
- 10 14. Aerator according to one of claims 3 to 13, characterized in that the aerator (4) can be screwed into the channel of the ball/spherical segment (6).
- 15 15. Aerator according to one of the preceding claims, characterized in that an inner side of the outer ring (5) forms a concave bearing for the ball/spherical segment (6).
16. Aerator according to one of the preceding claims, characterized in that an especially cylindrical or partially cylindrical section (15), which is placed in a correspondingly shaped recess (16) of the ball (6) or of the outer ring (5),
20 projects on an outer side of the aerator (4) as a bearing.